



MILCOM a. s.

Hradecká 1456
544 01 Dvůr Králové n. L.
Czech Republic
Tel.: +420 499 320 280
Fax: +420 499 320 364
E-mail: milcomdk@milcom-as.cz
www.milcom-as.cz



ISO 9001 certified company



MILCOM SK 1

Group packing machine

MILCOM SK1 is semi-automatic group cartoning machine, suitable for grouping of packets of butter, quark and other products packed on MILCOM PA1 or other filling and wrapping machine.

Description

The machine creates groups of required size from packets and enables inserting the packets group into carton box.

Suitable as

Subsequent connection to the MILCOM PA1, MILCOM PU3 or other filling and wrapping machine

Feed

Supplying of the packets from the packing machine is made by packing machine conveyor or by a special conveyor with its own drive.

Feeding of the machine

Via conveyor 463 – 630 mm above the ground

Inserting of the carton

Manually

Output

From 60 up to 140 packets/min. according to the current speed of wrapping machine.

Total input

0,5 kW, 1N-PE/230V 50Hz, TN-S 40
(including conveyor 3N-PE/400/230V 50Hz, TN-S)

Engine for conveyor

0,25 kW, 400V (supplied only in case of delivery of the MILCOM SK1 machine with conveyor)

Piston movement

Pneumatic, 200 l/min, pressure 7 bar

Machine control

PLC SIEMENS or TECO

Machine format

Minimal dimensions of the carton:

210 x 170 x 170 mm

Maximal dimensions of the carton:

400 x 230 x 265 mm

Max. dimensions of the packets

400 x 210 x 60 mm

Guarding

Stainless steel safety guarding with polycarbonate window in upper part, CE certification.

Documentation

Operating manual, elektro-technical documentation, spare parts list.

Additional services

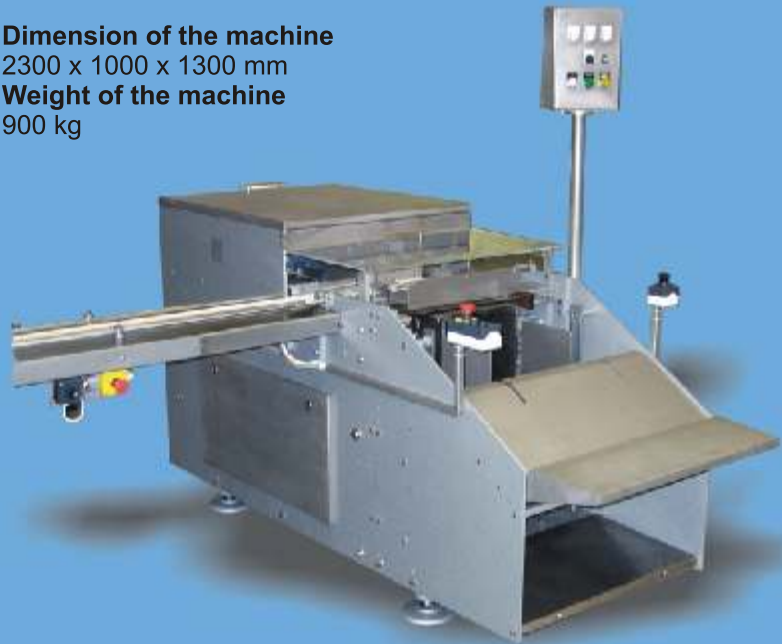
Installation, training, guarantee and after-guarantee service, spare parts

Dimension of the machine

2300 x 1000 x 1300 mm

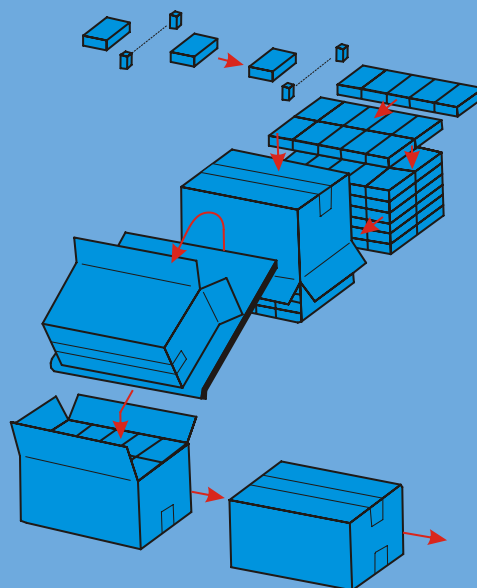
Weight of the machine

900 kg



Speed of the group wrapping machine is fully synchronized with the wrapping machine MILCOM PA1.

Process of group packing:



The packets come into the grouping machine over the conveyor from the wrapping machine.

The packets pile up and after a certain quantity has been reached, a cross pusher pushes the packets from the conveyor belt onto the tongue belt, backs up and remains in its initial position until a certain quantity of packets has piled up before the limit switch.

The cross pusher pushes the second row onto the tongue pusher. Both packet rows form there one layer of the block. At the retraction of the tongue pusher that layer drops on the stacker plate being close below the tongue pusher.

Before the next layer will be pushed on the tongue pusher the stacker plate with the first layer lowers down by one packet height.

By retracting the tongue pusher the second layer drops on the first layer. That stackering process recurs till the height of the block is reached.

Then the block is pushed by the block pusher into the filler shoe.

The operator puts the carton upon the filler shoe. The filler shoe will be automatically turned and the filled carton box glides on the rest. The carton box flaps are manually closed and glued.



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